```
         FILE 'REGISTRY' ENTERED AT 15:28:32 ON 22 DEC 2004
L1                STRUCTURE UPLOADED
L2           50 S L1
L3       293402 S L1 SSS FUL
L4                STRUCTURE UPLOADED
L5           11 S L4 SSS SAM
L6         2296 S L4 SSS FUL


         FILE 'CAPLUS' ENTERED AT 15:33:12 ON 22 DEC 2004
L7         3507 S L6
L8       685706 S (PROTON OR ION OR CATION) (3A) CONDUCT? (3A) POLYMER OR RESIN
L9           74 S L7 AND L8
L10           2 S L9 AND FUEL CELL


         FILE 'STNGUIDE' ENTERED AT 15:38:41 ON 22 DEC 2004


         FILE 'CAPLUS' ENTERED AT 16:03:12 ON 22 DEC 2004
L11           1 S POLYANION AND L7
L12       52493 S GRAFT (4A) (POLYMER OR COPOLYMER)
L13        7989 S (SUBSTITUENT OR GROUP OR RESIDUE OR RADICAL) (5A) (SULFONIC O
L14           2 S L7 AND L13
L15         522 S POLYSTYRENE (A) (SULFONIC OR PHOSPHONIC OR CARBOXYLIC) (A) AC
L16           0 S L7 AND L15
L17        2825 S (ELECTROCONDUCT? OR ELECTROACTIVE) (3A) (POLYMER OR RESIN)
L18           1 S L7 AND L17
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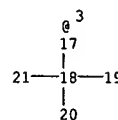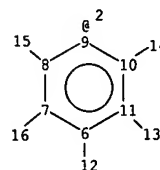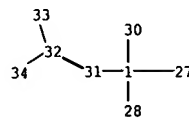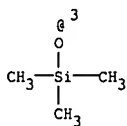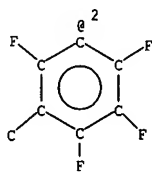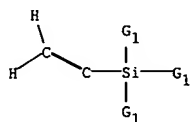
chain nodes :
    1   2   3   4   5   12 13 14 15 16 17 18 19 20 21 27 28 30 31 32 33 34
ring nodes :
    6   7   8   9   10 11
chain bonds :
    1-27   1-28   1-30   1-31   2-3   3-4   4-5   6-12   7-16   8-15   10-14   11-13   17-18   18-19
    18-20 18-21 31-32 32-33 32-34
ring bonds :
    6-7   6-11   7-8   8-9   9-10   10-11
exact/norm bonds :
    1-27   1-28   1-30
exact bonds :
    1-31   2-3   3-4   4-5   6-12   7-16   8-15   10-14   11-13   17-18   18-19   18-20   18-21   31-32
    32-33 32-34
normalized bonds :
    6-7   6-11   7-8   8-9   9-10   10-11

G1:CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,Ph,CF3,[*1],[*2],[*3]

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
    11:Atom   12:CLASS   13:CLASS   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:CLASS   19:CLASS
    20:CLASS   21:CLASS   27:CLASS   28:CLASS   30:CLASS   31:CLASS   32:CLASS   33:CLASS   34:CLASS